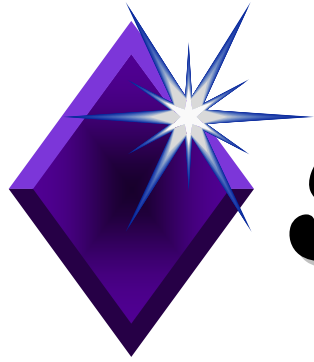
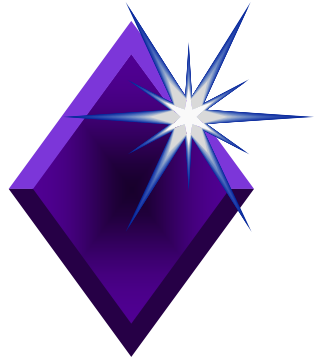


***Information
Technology
at
Jackson State
University***



Strategic Plan

- ◆ ***Access Services***
- ◆ ***Shared Systems***
- ◆ ***Support Services***



Priorities

- ◆ ***CampusWide Network***
- ◆ ***Computer Labs***
- ◆ ***Electronic Classrooms***
- ◆ ***Faculty/Staff Desktops***
- ◆ ***Training***



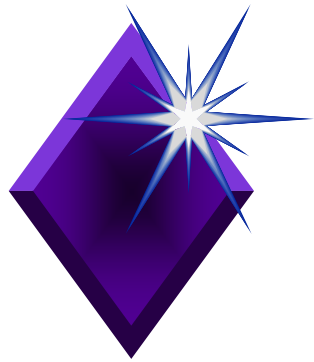
Funding

- ◆ ***NASA-NRTS (\$50,000)***
- ◆ ***Legislature (\$4 million)***
- ◆ ***Title III (\$2 million)***
- ◆ ***DoD (\$10 million)***
- ◆ ***Tech Fee(\$1 million)***

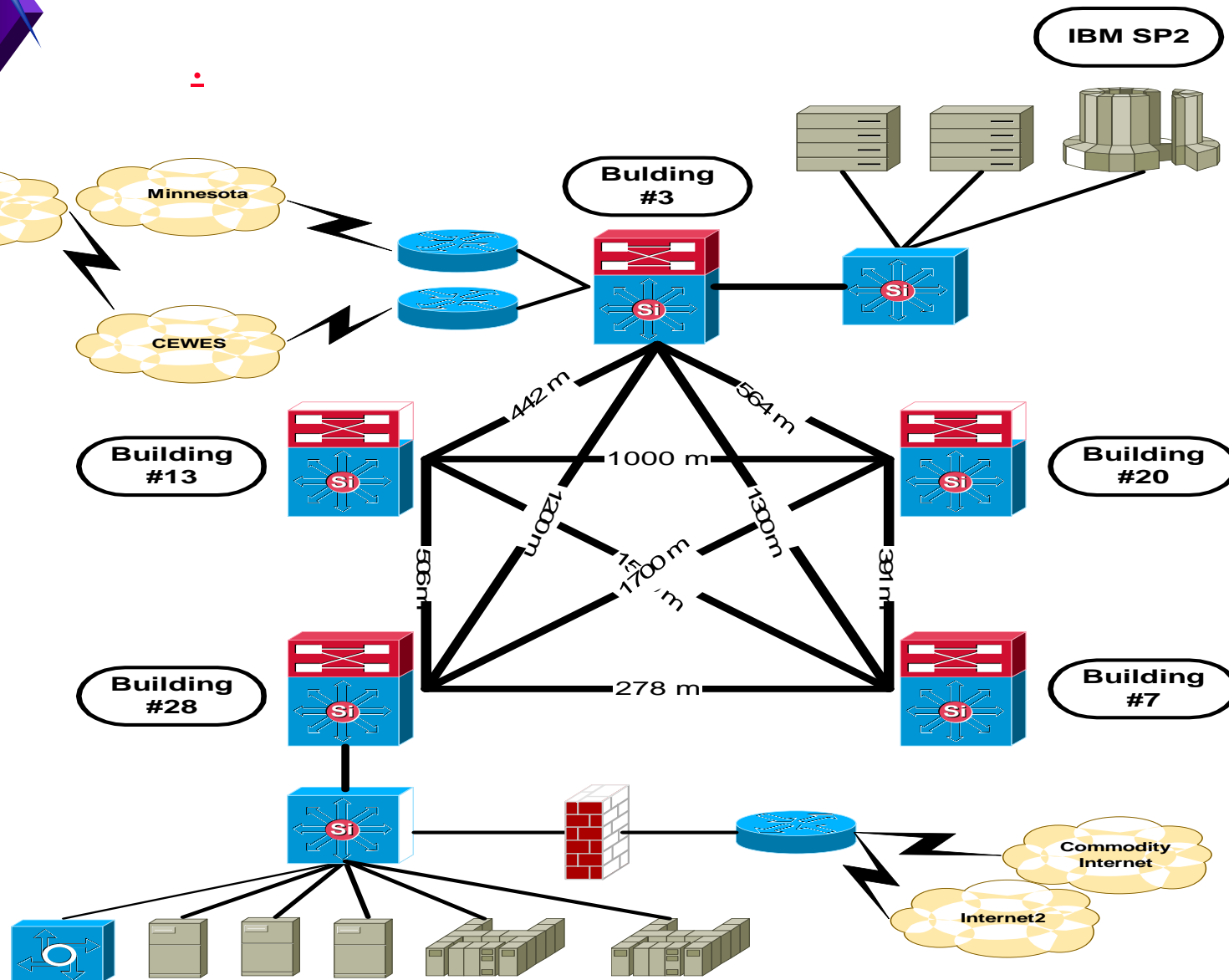


Access Services

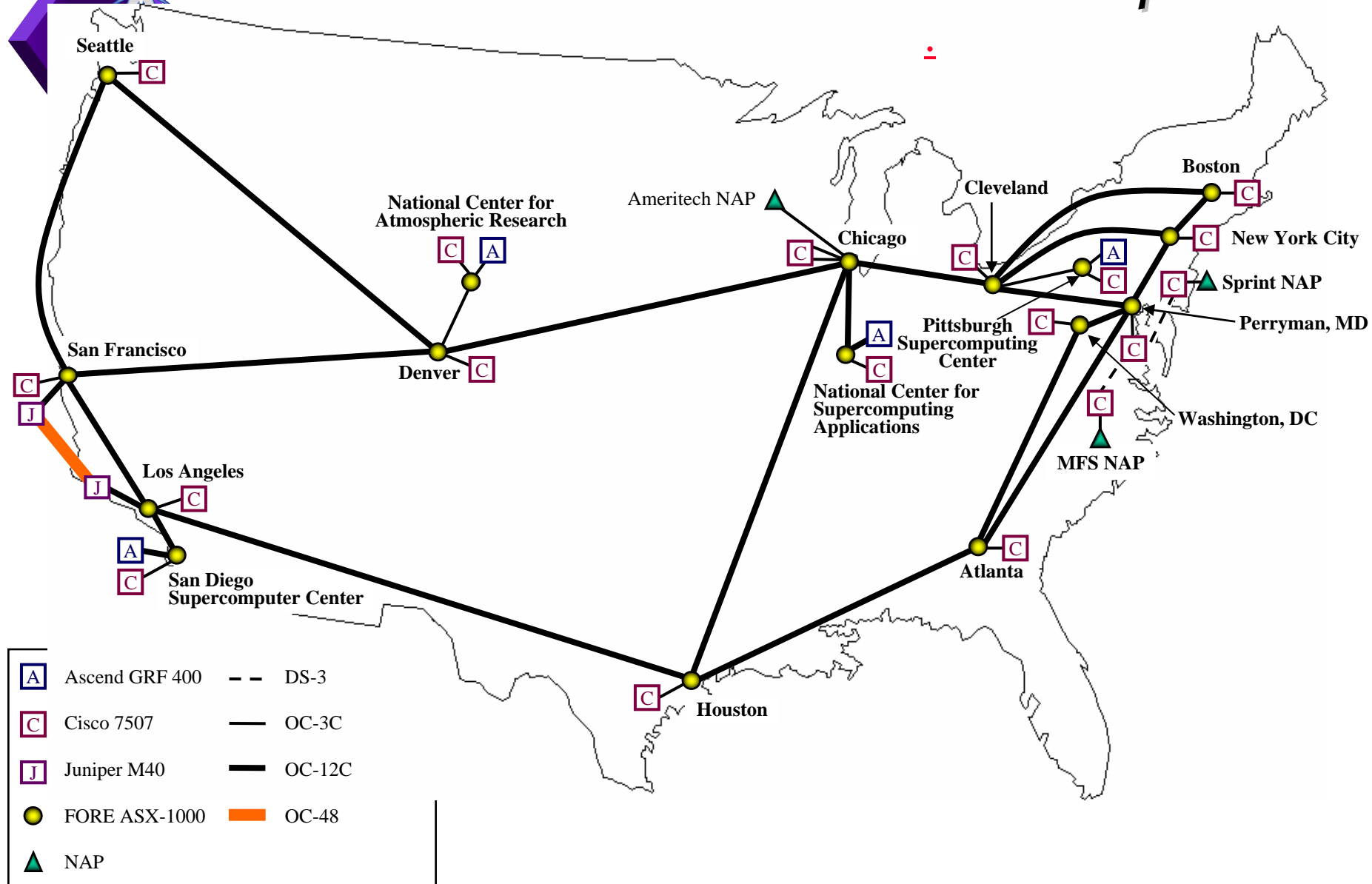
- ◆ *Connectivity at JSU*
 - ◆ *Fiber-Optic Network*
 - ◆ *Completed June 1999*
- ◆ *Connectivity to Outside World*
 - ◆ *Next Generation Internet* (NSF)
 - ◆ *vBNS*
 - ◆ *Internet2* (UCAID)
 - ◆ *Abilene Network*

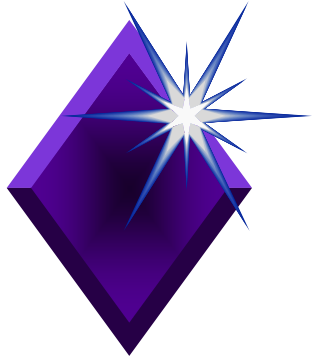


Jackson State University Core Network Diagram



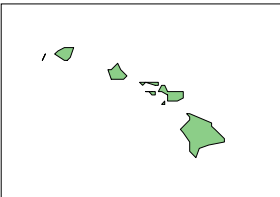
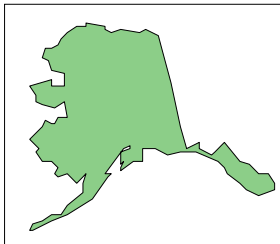
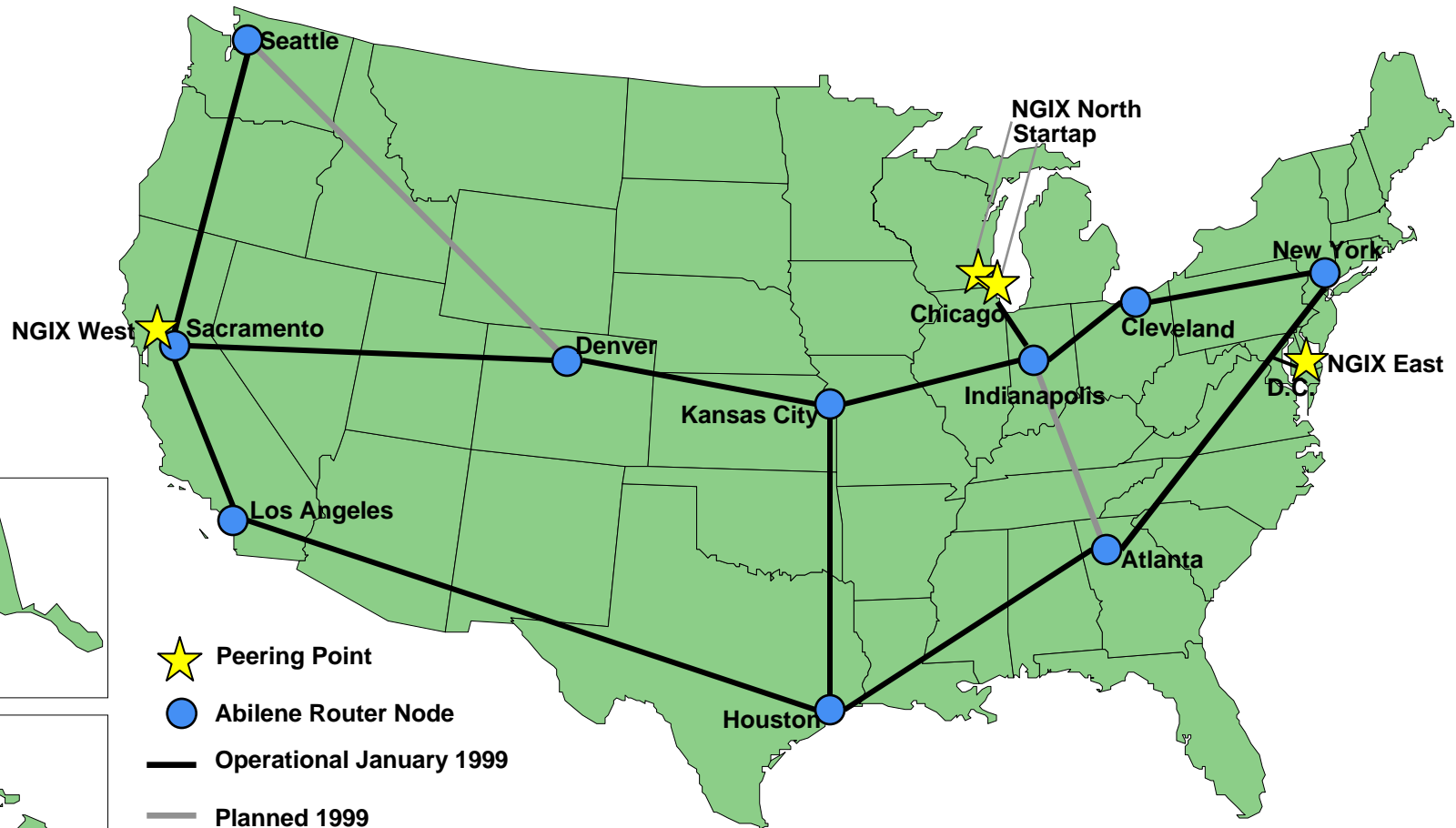
vBNS Backbone Network Map





Abilene Network

February 1999





Shared Systems

- ◆ *SCT PLUS2000 (SIS, FRS, HRS, ADS)*
 - ◆ *Student Information System (SIS)*
 - ◆ *Web for Students (Payment Gateway)*
 - ◆ *Web for Faculty*
 - ◆ *Web for Executives*
 - ◆ *Touch-Screen Kiosks*
 - ◆ *SIS (Campus Union, H. T. Sampson Library, Universities Center, B. F. Roberts)*
 - ◆ *Treasury Department (Career Counseling)*



Shared Systems

- ◆ *Academic Computing*
 - ◆ *HP, IBM, Sun, SGI Servers*
- ◆ *High Performance Computing*
 - ◆ *IBM SP2 Supercomputer (\$2 M)*
- ◆ *Administrative Computing*
 - ◆ *IBM ES9000 Mainframe System*
- ◆ *Network Management & Security*



Support Services

◆ *Personnel*

- ◆ *Academic IT Coordinator*
- ◆ *Network Manager*
- ◆ *Computer Lab Coordinator*
- ◆ *Computer Technician*

◆ *Hardware & Software*

- ◆ *Over 1,000 Computers*
- ◆ *Site Licenses for Software*



Support Services

◆ *Computer Labs*

- ◆ *JAP*

- ◆ *H. T. Sampson Library*

- ◆ *All Dormitories*

◆ *Electronic Classrooms*

- ◆ *JAP*



Support Services Progress Report

◆ *Teaching/Learning Lab*

- ◆ CFM

◆ *Distance Learning Classrooms*

- ◆ SEB (T-1 Connection to MIVN)

- ◆ JAP (ISDN)



Support Services

◆ *Distance Learning Courses*

- ◆ *Rehabilitative Services (MIVN)*
- ◆ *Biology (ISDN)*
- ◆ *Computer Science (WEB)*

◆ *Training*

- ◆ *JSU Faculty and Staff*



Support Services

◆ *Research Activities*

- ◆ *Mississippi Space Commerce Initiative -- NASA*
- ◆ *High Performance Visualization Center Initiative – DoD (Navy)*



Challenges

(Potential Barriers to Progress)

- ◆ *OIT Organizational Issues*

- ◆ *Staff Size*

- ◆ *Salary Scale*

- ◆ *Equipment Upgrades and Maintenance*



Staff Size

- ◆ *Rennselear Polytechnic University*
- ◆ *Lehigh University*
- ◆ *6,500 Students*
- ◆ *1,000 - 2,000 Faculty/Staff*
- ◆ *RPU & LU ~ 150 IT personnel each*
- ◆ *JSU -- 35 IT personnel positions*



Salary Scale

- ◆ *1998 NACUBO Study*
- ◆ *IT Spending Per Capita*
 - ◆ *Average* -- \$333*
 - ◆ *JSU -- \$132*

** All Universities Responding to Survey*